

internal field: dipole
 configuration: 8 segment
 alternative : 16 segment
 note: typical field uniformity <3%

1A
 FIGURE 1: DIPOLE HALBACH ARRAY WITH ARC SEGMENT MAGNETS

(PRIOR ART)

005280-11T64960

005280" 44164960

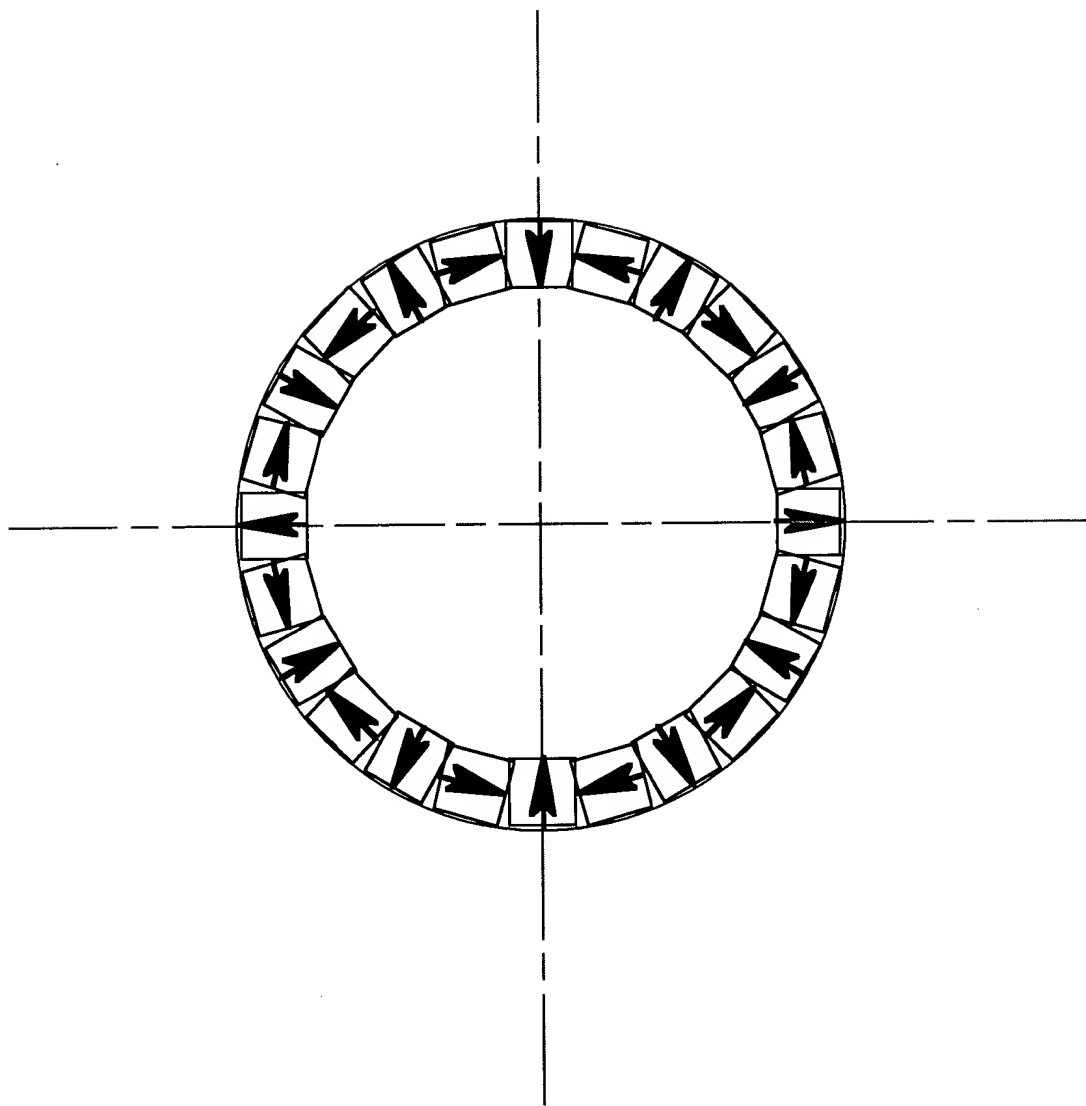
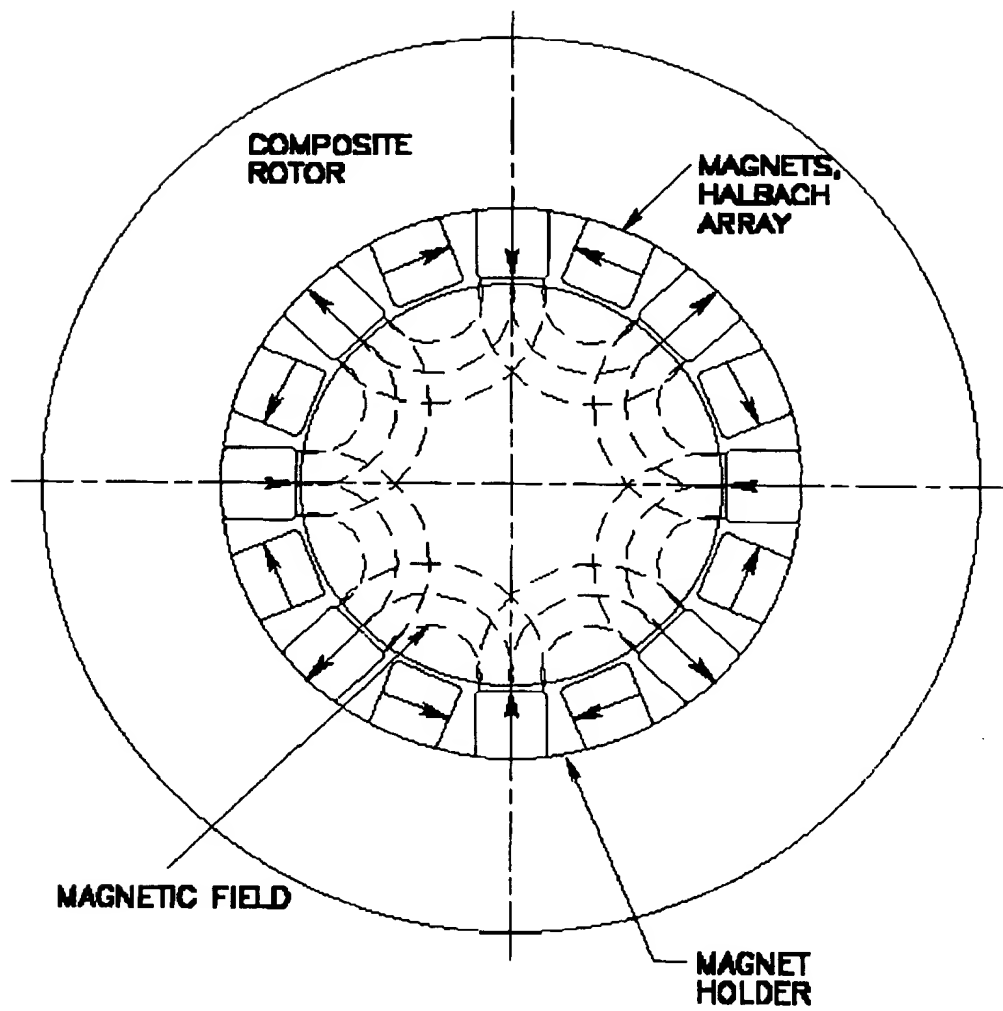


FIGURE 1^B ~~12~~ ^E MULTIPLE POLY HALBACH ARRAY WITH SQUARE
SEGMENT MAGNETS

005230-44764960



1C
FIGURE 1a: MULTIPLE POLE HALBACH ARRAY WITH
SQUARE SEGMENT MAGNETS

TRINITY PROPRIETARY INFORMATION

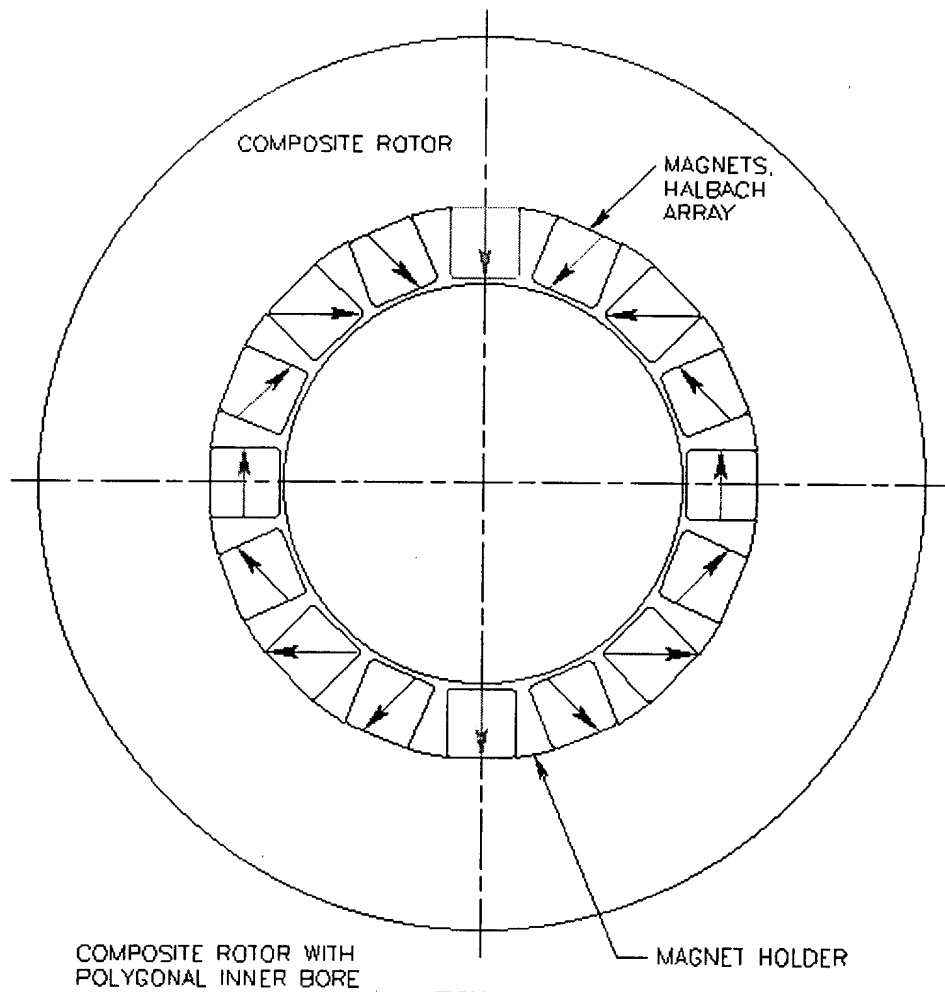


FIGURE 2

FIGURE 2: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A POLYGONAL BORE

TRINITY PROPRIETARY INFORMATION

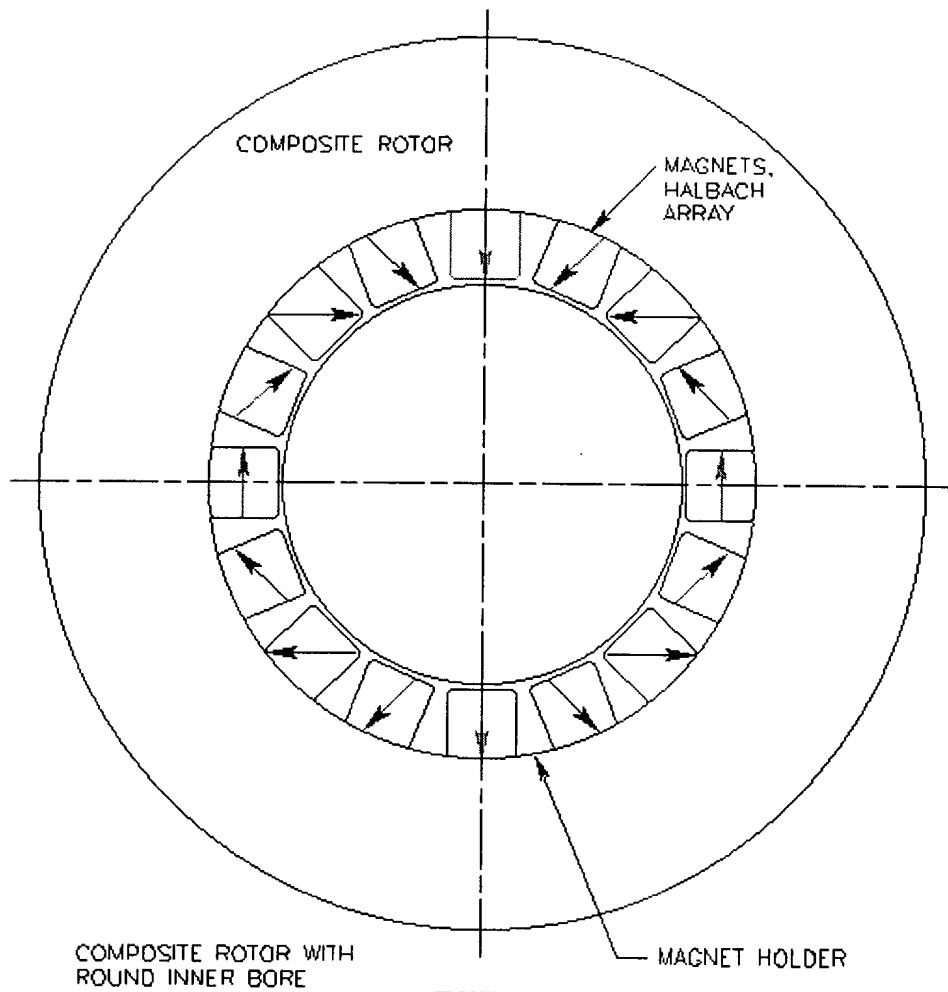


FIGURE 3

FIGURE 3: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A ROUND BORE

005280" 44767950

005280"444-082500

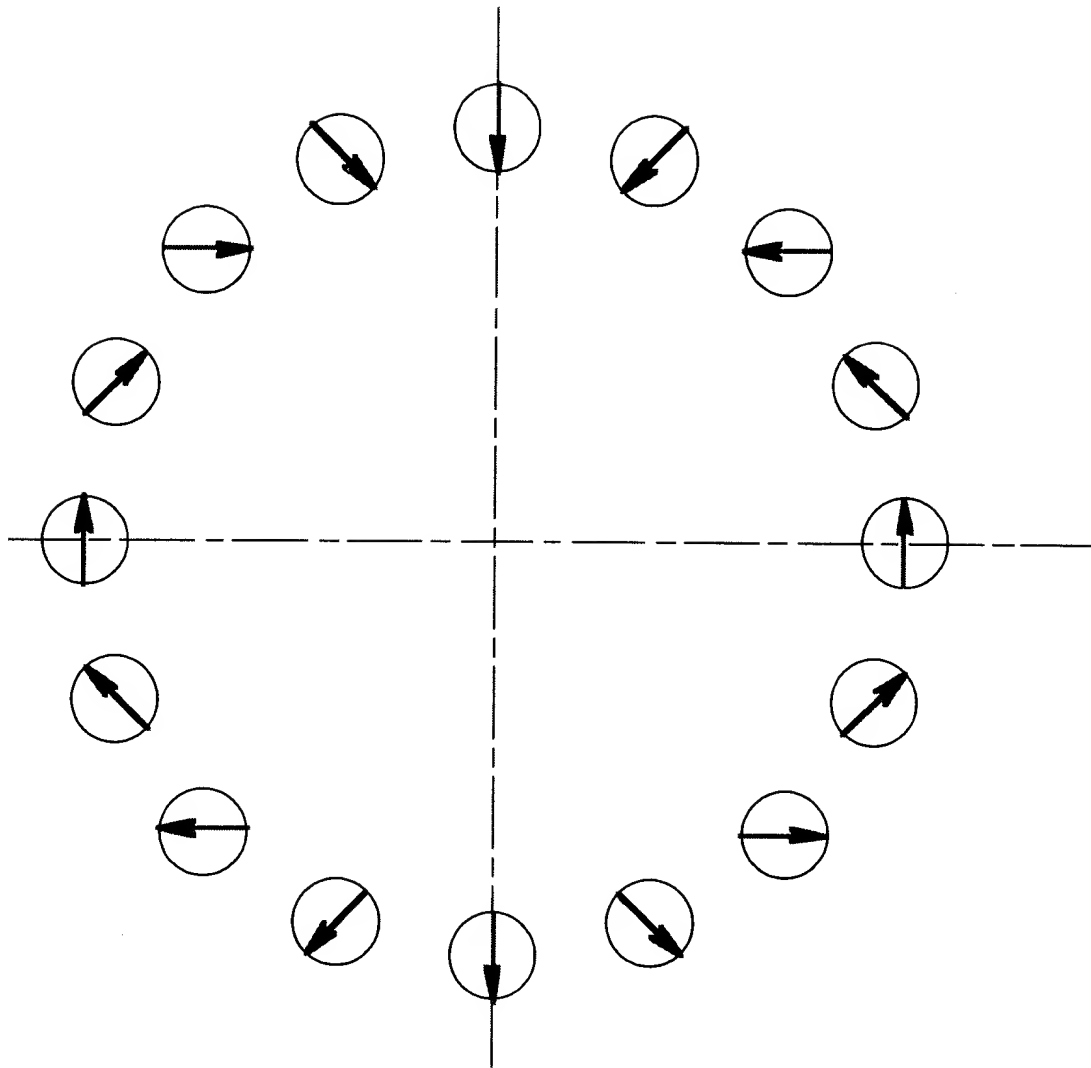


FIGURE 4: DIPOLE HALBACH ARRAY WITH CYLINDRICAL MAGNET SEGMENTS

005280" 44T64960

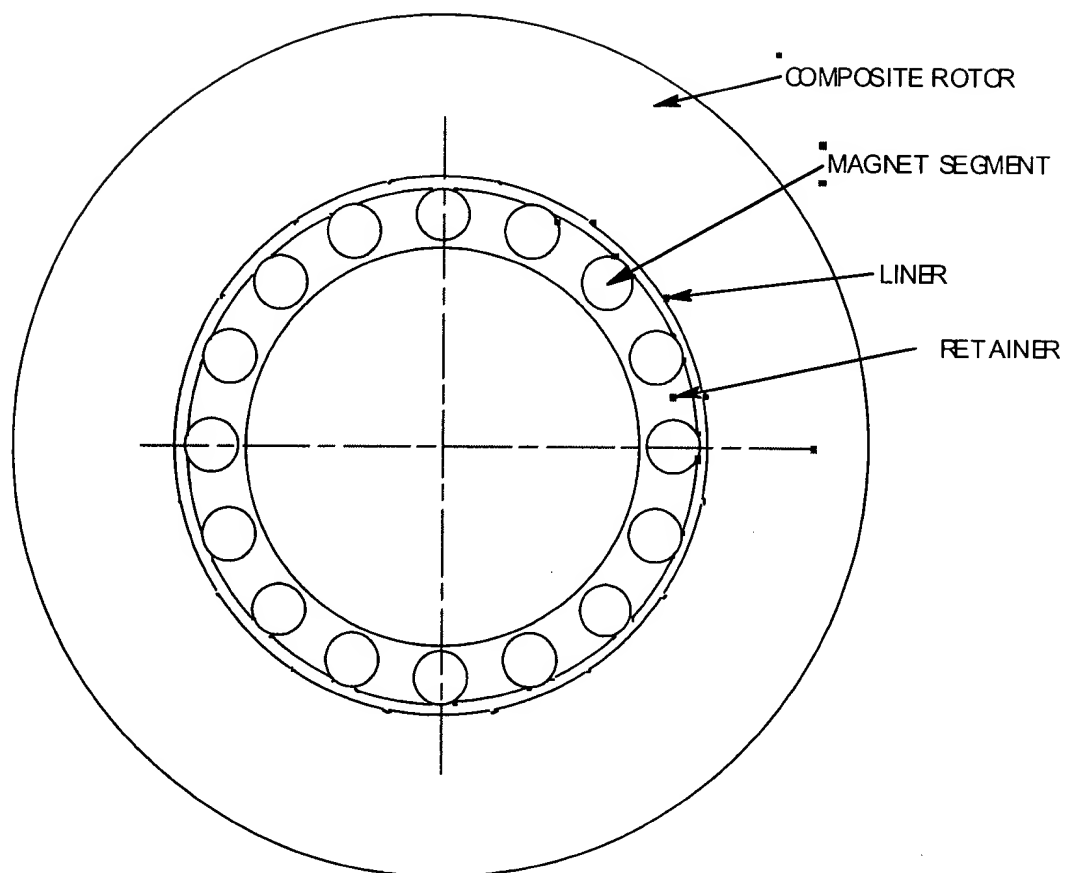


FIGURE 5: THIN LINER AND RETAINER

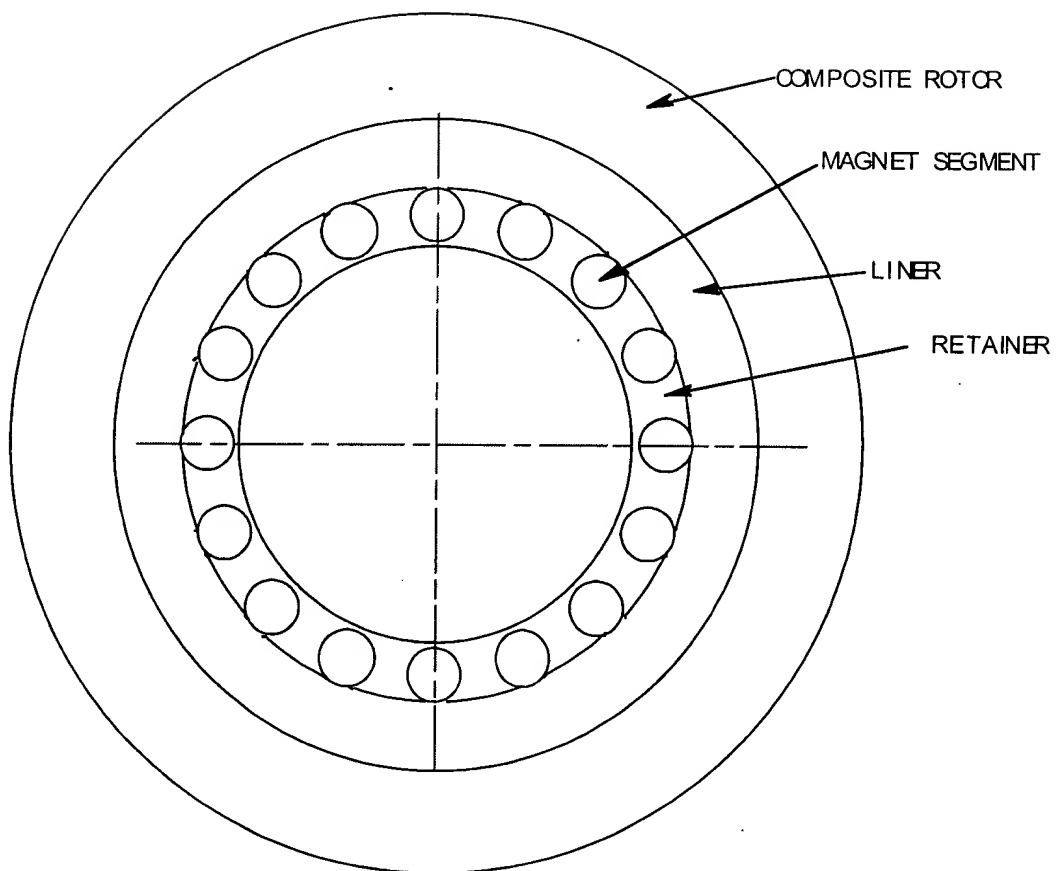


FIGURE 6: THICK LINER, SEPRATE RETAINER

005280-44757960

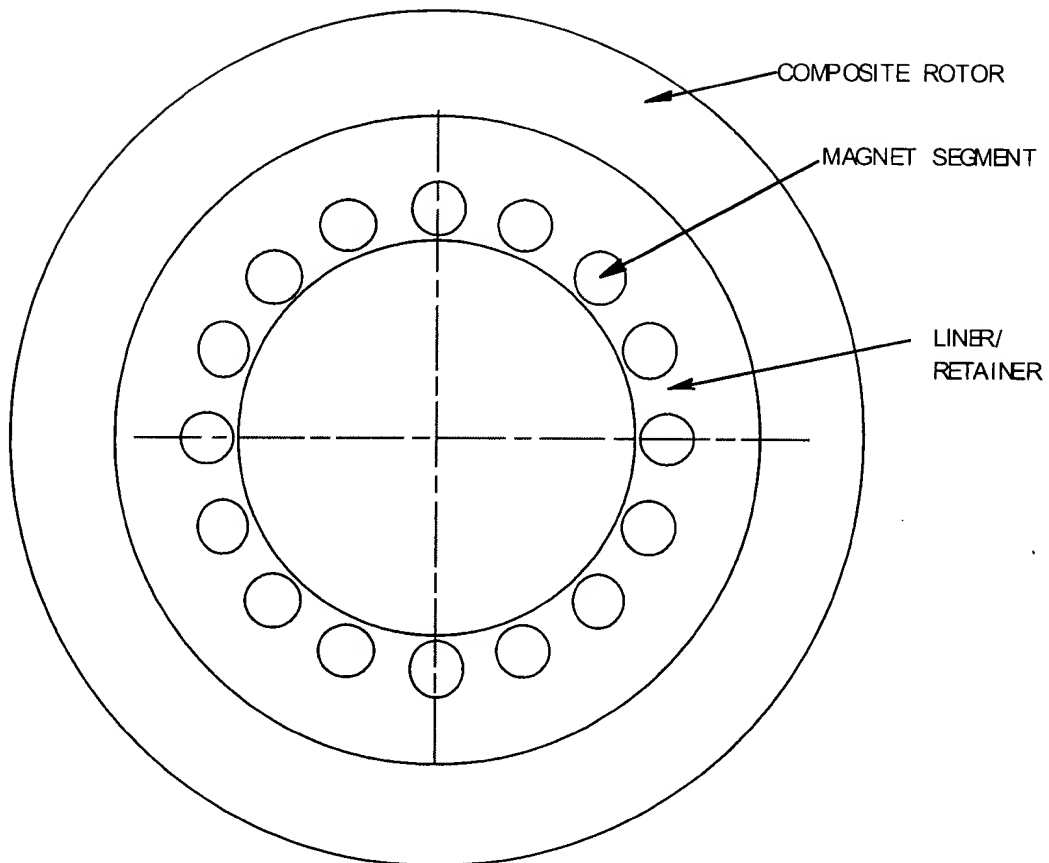


FIGURE 7: COMBINED LINER RETAINER

005230-44-0549144-05230

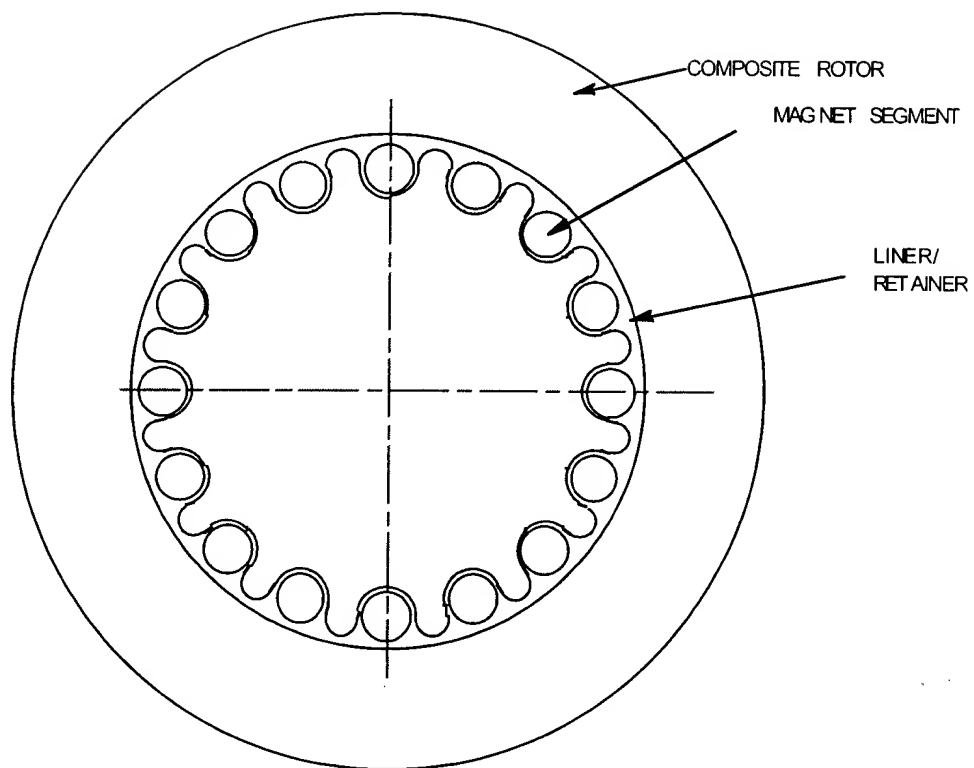


FIGURE 8: CONTOURED LINER/RETAINER

005280" 44T64960

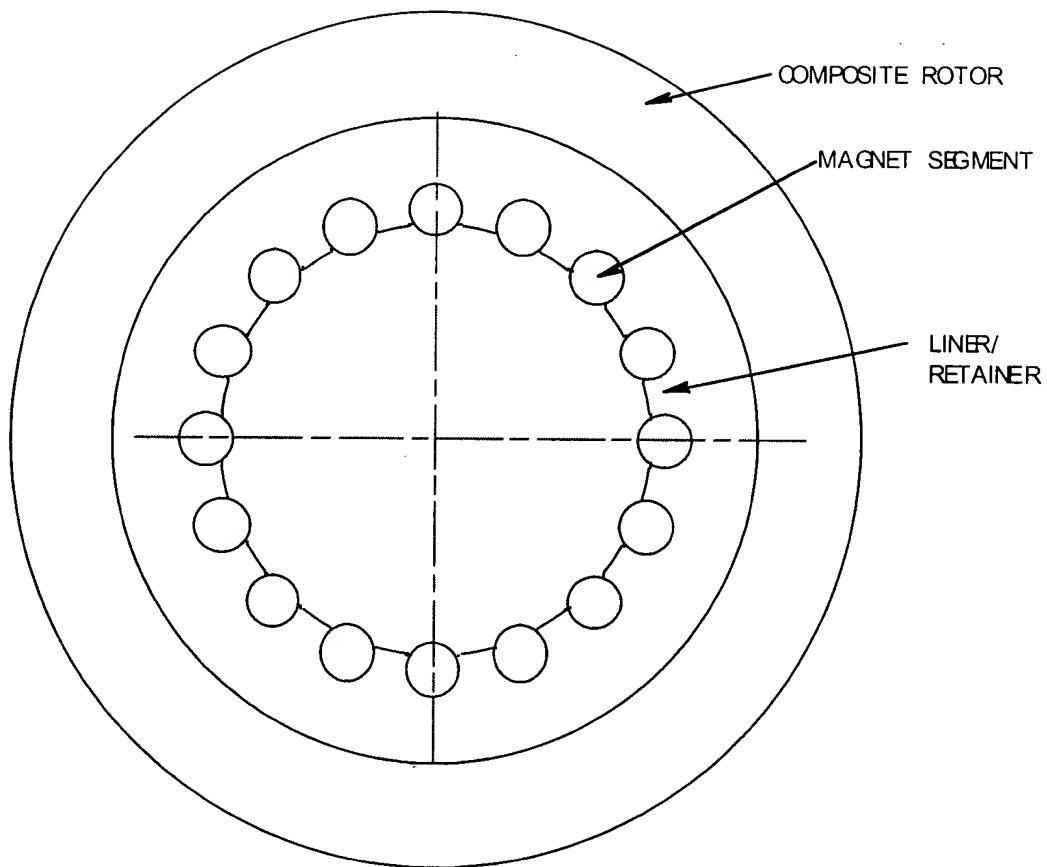


FIGURE 9: PARTIALLY SURROUNDING LINER/RETAINER

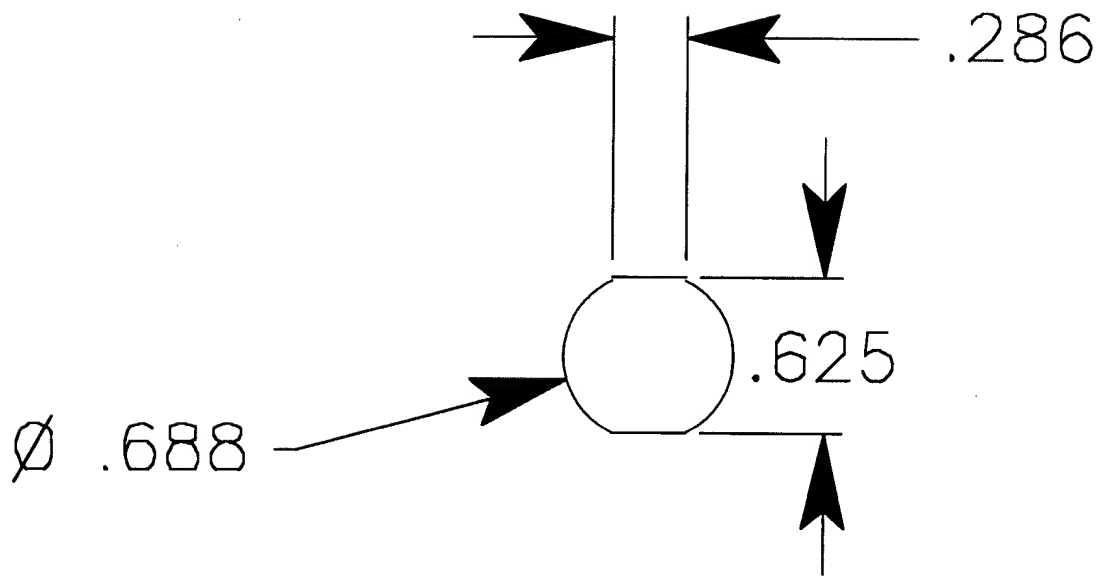


FIGURE 10: MAGNET SEGMENT WITH ANTIROTATION FLATS

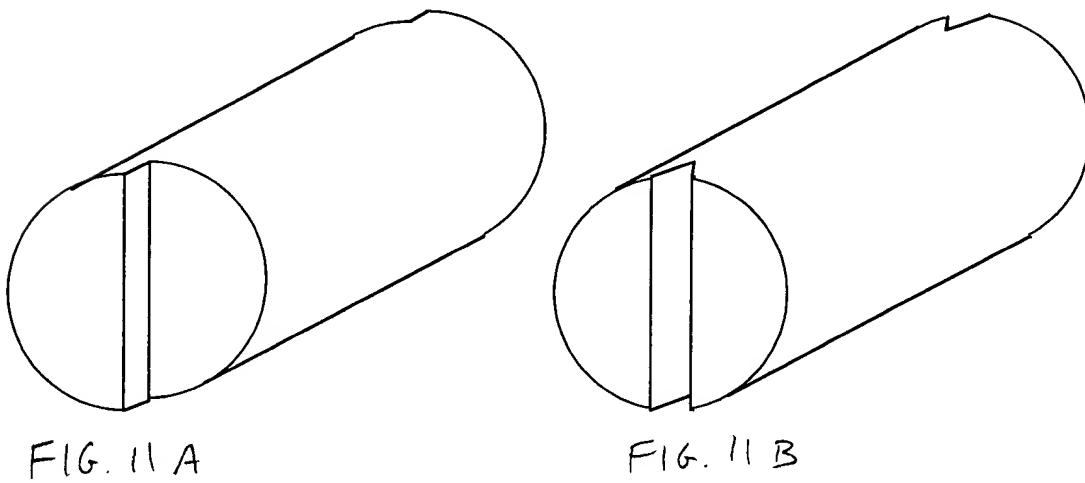


FIGURE 11: ANTIROTATION FEATURES ON ENDS OF MAGNET (STEP OR GROOVE)